FORM PTO - 1449 (Modified)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 6013D

SERIAL NO.

09/894,558

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

William Downs et al. **FILING DATE**

APPLICANT

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			U.S. PA	TENT DOCUMENTS	1			
XAMINER INITIAL	REF. NO.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING I	
W	1	3,855,387	Dec 17, 1974	Brockmiller et al.	423	210		
1	2	3,892,837	Jul 1, 1975	Uchiyama et al.	423	242		
	3	3,981,972	Sep 21, 1976	Hishinuma et al.	423	244		
	4	4,094,879	Jun 13, 1978	Bates et al.	260	299		
	5	4,098,697	Jul 4, 1978	DeAngelis et al.	210	202		
	6	4,190,709	Feb 26, 1980	Hodgkin	521	39		
	7	4,230,183	Oct 28, 1980	Kalfoglou	166	274		
	8	4,273,747	Jun 16, 1981	Rasmussen	423	210		
	9	4,283,303	Aug 11, 1981	Ellis	252	188		
	10	4,285,819	Aug 25, 1981	Yen et al.	210	679		
	11	4,377,484	Mar 22, 1983	Nasrallah	210	698		
	12	4,578,195	Mar 25, 1986	Moore et al.	210	679		
	13	4,857,183	Aug 15, 1989	Bommer	210	127		
· · · · · · · · · · · · · · · · · · ·	14	4,889,698	Dec 26, 1989	Moller et al.	423	210		
	15	4,889,701	Dec 26, 1989	Jones et al.	423	220		
	16	4,975,264	Dec 4, 1990	Franken	423	522	!	
	17	5,139,982	Aug 18, 1992	Ayala et al.	502	182		
	18	5,168,065	Dec 1, 1992	Jankura et al.	436	55		
	19	5,238,665	Aug 24, 1993	Lemer	423	240		
W	20	5,246,471	Sep 21, 1993	Bhat et al.	55	223		
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EXAMINER:

initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER INITIAL	REF. NO.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING IF APPRO		
W	21	5,308,509	May 3, 1994	Bhat et al.	210	770			
1	22	5,354,363	Oct 11, 1994	Brown, Jr. et al.	95	134			
	23	5,357,002	Oct 18, 1994	Lezzi et al.	525	332.2			
	24	5,372,940	Dec 13, 1994	Sakamoto et al.	435	195			
	25	5,380,747	Jan 10, 1995	Medford et al.	514	423			
	26	5,405,593	Apr 11, 1995	Knudson	423	244.03			
	27	5,428,154	Jun 27, 1995	Gansow et al.	540	465			
	28	5,459,276	Oct 17, 1995	Kuhn et al.	548	159			
	29	5,459,040	Oct 17, 1995	Hammock et al.	435	7.1			
	30	5,500,196	Mar 19, 1996	Rogers et al.	423	242.1			
	31	5,520,897	May 28, 1996	Rogers et al.	423	242.1			
	32	5,564,105	Oct 8, 1996	Alvino et al.		20			
	33	5,622,996	Apr 22, 1997	Fish	521	33			
	34	5,672,323	Sep 30, 1997	Bhat et al.	422	172			
	35	5,750,351	May 12, 1998	Medford et al.	435	7.21			
	36	5,773,209	Jun 30, 1998	Medford et al.	435	7.24			
	37	5,773,231	Jun 30, 1998	Medford et al.	435	7.24			
	38	5,783,596	Jul 21, 1998	Medford et al.	514	423			
	39	5,785,735	Jul 28, 1998	Raskin et al.	75	711			
	40	5,792,787	Aug 11, 1998	Medford et al.	514	423			
W	41	5,795,548	Aug 18, 1998	Madden et al.	422	171			
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EXAMINER INITIAL	REF. NO.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
W/	42	5,807,884	Sep 15, 1998	Medford et al.	514	423	
1	43	5,809,693	Sep 22, 1998	Chet et al.	47	58	
	44	5,811,449	Sep 22, 1998	Medford et al.	514	423	
	45	5,814,288	Sep 29, 1998	Madden et al.	423	244.01	
	46	5,814,591	Sep 29, 1998	Mills et al.	510	238	
	47	5,821,260	Oct 13, 1998	Medford et al.	514	423	
	48	5,827,352	Oct 27, 1998	Altman et al.	95	58	-
	49	5,834,525	Nov 10, 1998	Fish	521	33	
m	50	5,846,959	Dec 8, 1998	Medford et al.	514	165	
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11	NFORMATIO	ON DISCLOSURE STAT	TEMENT, BY APPLICA	NT	APPLICANT William Downs et al.				
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M	51	R. D. Vidiç and J of the Air and W	. B. McLaughlin, "Ն aste Management	Jptake of Associa	f Elemental Mercury Vapors ation, Vol. 46, March 1996,	by Activipages 2	vated Carb 41-250.	ons," <u>J</u>	ournal
	52	presented at the	et al, "Control of a RPRI Second Ir July 1993, 15 pag	nternatio	cs from Coal-Fired Power I onal Conference on Mana	Plants U	sing FPG zardous A	Techno ir Pollu	ology," itants,
	53	R. Chang and D July/August 1994	R. Chang and D. Owens, "Developing Mercury Removal Methods for Power Plants," <u>EPRI Journal</u> July/August 1994, pages 46-49.						
	54	K. Felsvang et a '92, Orlando, FL,	I., "Air Toxics Cont November 1992,	trol by S pages V	pray Dryer Absorption Syst/I-1 thru VI-17.	tems," p	resented a	t Powe	r-Gen
	55	R. Change and Engineering, Nov	G. R. Offen, "Me vember 1995, page	ercury er es 51-57	mission control technologi	es: An	EPRI synd	psis, <u>f</u>	Power
	56	"Emission Factor Steam Electric P 2-12, and 2-13.	rs Handbook: Guid lants," <u>EPRI,</u> TR-10	lelines fo 05611s,	or Estimating Trace Substa November 1995, pages: Co	nce Emi over, Re	ssions from	n Fossi nary, 2,	l Fuel 2-11,
	57	Advertisement by 2 pages.	The Dow Chemic	al Comp	pany, "Properties of EDTA, I	OTPA, H	EDTA, and	d NTA,	1974,
	58	E. H. Hall, Statu Controls," May 1	s Report from Bat , 1994, 94TEC-1, 4	telle Me 49 page:	morial Institute, Columbus s.	Ohio, "N	Aercury Er	nission	s and
	59				Fired Power Plants and that it it it is it			et Flue	e-Gas
	60		presented at 36th A		ction Using Activated Cart Jeeting American Power Co				
m	61	R. Gleiser et al, " Activated Carbon	Control of Mercury Injection," MSW (y from M Conferer	ISW Combustors by Spray nce Proceedings, Williamst	Dryer A ourg, VA	bsorption (, 1993, pg	System s. 106-	s and 122.
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M/V 6	52	RP114B.01, pre	sented at the 87	al by Wet Limestone FGD Systems 7th Annual Meeting & Exhibition e 19-24, 1994, pages 1-16.							
6	63	R. Chang, et al., "Pilot Scale Evaluation of Activated Carbon for the Removal of Mercury at Coal-Fired Utility Power Plants," presented at the 2nd International Hazard Pollution Management, Washington DC, July 13-15, 1993, pages 1-17.									
6	54	B. K. Gullett, et a at International (B. K. Gullett, et al., "Bench-Scale Sorption and Desorption of Mercury with Activated Carbon," presente at International Conference MWC, Williamsburg, VA, March 30-April 2, 1993, 8 pages.								
6	5 5	94-MP17.06, pre	esented at the 87	native to Controlling Acid Gases, North Annual Meeting & Exhibition e 19-24, 1994, pages 1-21.							
6	66			for Flue Gas Mercury Control," 94- Conference, Cincinnati, Ohio, Jun			ted at th	e Air			
6	57	C. Jones, "Conse 58-59.	ensus on air toxics	eludes industry to date," <u>Power</u> , Oc	tober 19	94, pages	51-52, 5	5-56,			
6	8			ury in Fossil Fuel-Fired Power G A, July 21, 1994, pages 1-7.	Seneratio	n," presei	nted at	DOE			
6	59	Steam/its genera 35-1 thru 35-16.	ition and use, 40th	Edition, The Babcock & Wilcox Co	ompany,	©1992, pa	ges:cov	er, ii,			
70	0	K. E. Redinger et al., "Mercury Emissions Control in RGD Systems," presented at the EPRI/DOE/EP Combined Utility Air Pollutant Control Symposium, Washington, DC, August 25-29, 1997, 17 pages									
7	' 1			issions Control Development Progrental Systems '98 Conference, Mo							
7:	72		hnical Conference	ced Emissions Control Developmen on Coal Utilization & Fuel Systems							
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W	73	K. E. Redinger	and A. P. Evans	, "Mercury Speciation and En I Technical Conference on Coa	nissions Co	ntrol in FG	D Syst stems, M	ems, Varc	
	74			Mercury in Conventional Flue ous Air Pollutants Conference,					
	75			ssions Control in RGD System rol Symposium, Washington D					
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